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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	09/848,374	
	Filing Date	05/04/2001	
	First Named Inventor	Yu-Chih Cheng	
	Group Art Unit		
	Examiner Name		
Total Number of Pages in This Submission	26	Attorney Docket Number	PMXP0125USA

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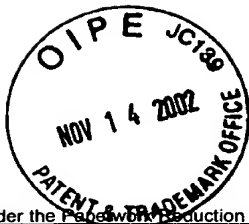
ENCLOSURES (check all that apply)		
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	WINSTON HSU
Signature	<i>Winston Hsu</i>
Date	11/13/2002

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>			
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PTO/SB/17 (10-01)  
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# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ ) 0.00

## Complete if Known

Application Number 09/848,374  
Filing Date 05/04/2001  
First Named Inventor Yu-Chih Cheng  
Examiner Name  
Group Art Unit 2672  
Attorney Docket No. PMXP0125USA

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## METHOD OF PAYMENT

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 50-0801  
Deposit Account Name North America International Patent Office

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☐ Payment Enclosed:

☐ Check ☐ Credit card ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 740	201 370	Utility filing fee	
106 330	206 165	Design filing fee	
107 510	207 255	Plant filing fee	
108 740	208 370	Reissue filing fee	
114 160	214 80	Provisional filing fee	

SUBTOTAL (1) (\$ ) 0.00

### 2. EXTRA CLAIM FEES

Total Claims  -20\*\* =  X  =   
Independent Claims  - 3\*\* =  X  =   
Multiple Dependent  =

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 84	202 42	Independent claims in excess of 3
104 280	204 140	Multiple dependent claim, if not paid
109 84	209 42	** Reissue independent claims over original patent
110 18	210 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ ) 0.00

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for <i>ex parte</i> reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 400	216 200	Extension for reply within second month	
117 920	217 460	Extension for reply within third month	
118 1,440	218 720	Extension for reply within fourth month	
128 1,960	228 980	Extension for reply within fifth month	
119 320	219 160	Notice of Appeal	
120 320	220 160	Filing a brief in support of an appeal	
121 280	221 140	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,280	241 640	Petition to revive - unintentional	
142 1,280	242 640	Utility issue fee (or reissue)	
143 460	243 230	Design issue fee	
144 620	244 310	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Processing fee under 37 CFR 1.17(q)	
126 180	126 180	Submission of Information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (times number of properties)	
146 740	246 370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149 740	249 370	For each additional invention to be examined (37 CFR § 1.129(b))	
179 740	279 370	Request for Continued Examination (RCE)	
169 900	169 900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ ) 0.00

## SUBMITTED BY

Name (Print/Type)	WINSTON HSU	Registration No. (Attorney/Agent)	41,526	Telephone	886-2-8923-7350
Signature	<i>Winston Hsu</i>	Date	11/13/2002		

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

5 Applicant: Yu-Chih Cheng  
Filing Date: 05/04/2001 Art Unit: 2672  
Serial No.: 09/848,374 Docket No.: PMXP0125USA

Title: POINTING DEVICE WITH AN INPUT PANEL

10

To: Assistant Commissioner for Patents  
Washington, D.C. 20231

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Subject: Information disclosure statement under  
37C.F.R. §1.56.

Dear Sir/Madam:

20

This is an Information Disclosure Statement in accordance with the duty to disclose information material to patentability under 37 C.F.R. §1.56. The applicant wishes to make of record the document listed on the accompanying form PTO/SB/08. It is respectfully requested that the examiner initial the cited  
25 reference on the form and that it be made of record in the application and that a copy of the initialed form be sent to the applicant with the next communication from the examiner.

30

Since the IDS is filed before the mailing date of a first Office action on the merits, consideration of the information disclosure statement is hereby requested according to 37C.F.R. §1.97(b). The prior art patent contained in the information disclosure statement was cited in communications from the Taiwan Intellectual Property Office on September 19,  
35 2002. The applicant sincerely hopes that the examiner can consider the item contained in the information disclosure

statement.

According to the requirement set forth in 37 C.F.R. §1.98 and M.P.E.P. 609 (Rev.1, Feb. 2000), the applicant is submitting  
5 a copy of the cited reference (Taiwan Patent publication No. 142,760) and a concise explanation of the relevance in this application hereinafter.

TP publication No.142,760 teaches a mouse 1. The mouse 1  
10 is used to input data, draw pictures, and control the position of a cursor. Fig.2 is a component diagram of the mouse 1. The mouse 1 comprises an upper enclosure 13, a bottom enclosure 12 with a latch, an input panel 3, accumulative layers of thin pieces 21, a supporting aluminum board 22, a supporting pillar 23, a  
15 circuit board 24 for processing signals, a set of function buttons 5, and a cable 11. The circuit board 24 is fixed on the bottom of the bottom enclosure 12 while the set of buttons 5 is fixed on the circuit board 24. The accumulative layers of thin pieces 21 are soft so under them is the supporting aluminum board 22  
20 adhered to the supporting pillar 23 and above them is the upper enclosure 13 with the input panel 3. The accumulative layers of thin pieces 21 include an output end connected with the circuit board 24.

25 TW publication No. 142,760 teaches that the input panel 3 can be used as a pointing device or as a graphic input device, but not both at the same time. When it is used as a pointing device, positions been depressed will be transformed into pointing signals to control movements of the cursor 101. When  
30 the input panel 3 is used as a graphic input device, movements on the input panel 3 will be transformed into an image and the image will be displayed on the monitor connected to the computer 100.

35 According to lines 3-4 of section 2 on page 10 and claim 7, the mouse can be switched between a "pointing device" mode

and an "image generation" mode by clicking on a lock key.

5 Compared with TW publication No. 142,760, the pointing  
device in claim 1 of the present invention has a  
displacement signal generator for generating  
displacement signals, and a separate input panel for  
inputting image data. However, the mouse 1 in TW publication  
10 No. 142,760 only has a displacement signal generator or an  
image data generator. It doesn't have both a displacement signal  
generator and an image data generator. When the input panel  
3 behaves as a displacement signal, the mouse 1 doesn't have  
any component to generate images. When the input panel 3 behaves  
as an image generator, the mouse 1 doesn't have any component  
to generate pointing signals.


15

Therefore, TW publication No. 142,760 fails to teach or  
suggest all of the limitations disclosed in claim 1 of the  
present application. A quick correspondence of this  
communication is sincerely requested.

20

Sincerely yours,

25

  
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U.S.A.

Date:

11/13/2002

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